

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
22 April 2004 (22.04.2004)

PCT

(10) International Publication Number  
**WO 2004/033563 A2**

- (51) International Patent Classification<sup>7</sup>: C09C 1/64, 1/62, 1/00, 3/08, C09D 5/36, C09B 69/00
- (21) International Application Number: PCT/EP2003/010968
- (22) International Filing Date: 2 October 2003 (02.10.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 02405868.7 9 October 2002 (09.10.2002) EP
- (71) Applicant (for all designated States except US): CIBA SPECIALTY CHEMICALS HOLDING INC. [CH/CH]; Klybeckstrasse 141, CH-4057 Basel (CH).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): MÜLLER, Martin [DE/DE]; Bergstrasse 40a, 79539 Lörrach (DE). BAUER, Didier [FR/FR]; 12, rue Geispitzen, F-68680 Kembs (FR).
- (74) Common Representative: CIBA SPECIALTY CHEMICALS HOLDING INC.; Klybeckstrasse 141, CH-4057 Basel (CH).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:  
— without international search report and to be republished upon receipt of that report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.



WO 2004/033563 A2

(54) Title: METHOD OF COLOURING CARRIER MATERIALS

(57) Abstract: The present invention relates to a method of producing coloured carrier particles (substrates), which comprises a) dispersing the carrier particles in a solution of a colorant or latent pigment, adding the carrier particles to a solution of a colorant or latent pigment, or adding a latent pigment or a colorant to a dispersion of the carrier particles, b) precipitating the colorant or latent pigment onto the carrier particles, and c) in the case of a latent pigment, subsequently converting it to the pigment, and to the coloured substrates obtainable by such a method, and also to the use thereof. Using the methods according to the invention it is possible to obtain colorations and coloured substrates that have surprisingly good light-fastness properties.